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21

Replacement Sheet
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VALVE CONNECTOR

ABSTRACT

A valve connector for ~~coupling with~~connecting to inflation valves of vehicle tyres, comprising a housing ~~to be connected to a pressure source~~, within the housing a coupling hole ~~for coupling with an~~having a central axis and an inner diameter approximately corresponding to the outer diameter of the inflation valve, ~~to which the valve connector is to be connected~~the coupling hole having a central axis and an outer opening, positioning means for positioning the inflation valve when coupled in the coupling hole, and an activating pin, which is arranged coaxially with the coupling hole, for engaging~~depressing with~~ a central spring-force operated ~~valve lever~~core pin of the inflation valve, a cylinder (303) having a cylinder wall provided with a pressure port which is connected to a pressure source, wherein ~~the activating pin being situated in continuation of the coupling hole coaxially with the central axis thereof, the activating pin is shiftable between a proximal pin position and a distal pin position relative to the positioning means so as to depress the core pin of the inflation valve in its distal pin position and disengage the core pin of the inflation valve in its proximal pin position when the inflation valve is positioned by the positioning means, the~~ ~~housing (302) comprises~~activating pin is coupled with a cylinder (303), and a piston (304) and the piston (304) is positionedslidingly arranged in the said cylinder (303) having a cylinder wall and is movably between a ~~first~~proximal piston position, which corresponds to the proximal pin position, and ~~a second~~a distal piston position, which corresponds to the distal pin position.

The activating pin is connected to said piston (304) through a piston ~~said first position corresponds to the activating pin engaging the spring force operated valve lever and said second position corresponds to the activating pin not engaging the spring force operated valve lever, and the housing (302) comprises means for conducting gaseous media from the pressure source to said cylinder (303) in order to move said~~ wherein the piston (304) is disposed in the cylinder (303) between the pressure port and the coupling hole and is drivable from said second its proximal piston position to ~~said~~its first distal piston position by the ~~when the cylinder (303) is under~~ pressure supplied into the cylinder (303) from the pressure source, and that flow regulating means are provided for selectively interrupting or freeing a flow path between the pressure source and the coupling hole depending on the piston positions and are adapted such that the flow path is interrupted in the proximal piston position and the flow path is freed in the distal piston position at least when the inflation valve is positioned by the positioning means.

(FIG.4)



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